

Relex FRACAS

Manage Corrective Action Processes to Improve Product Reliability

Relex FRACAS (Failure Reporting, Analysis, and Corrective Action System) provides a flexible, comprehensive tool for controlling a range of closed loop corrective action processes.

By combining a workflow control resource with powerful reliability analytics, Relex FRACAS provides key reliability metrics side-by-side with a company-wide process to report and correct product or system failures. Also known as DRACAS, PRACA, or CAPA, a FRACAS provides analysis capabilities that are useful throughout the design, development, prototype, manufacturing, and use phases of product life. Relex FRACAS offers a Web-based interface for enterprise-wide use, global standardization, role-based permissions, and security.

Key Benefits

An Organized Approach to Failure Analysis and Correction

- Collect, quantify, and control a large number of incoming incident reports
- Track incidents from diverse sources including test data, field data, and repair data
- Spot trends and prioritize issues early using built-in Pareto analysis and automated e-mail alert notification
- Track improvements in system performance gained through your corrective actions

Available Enterprise-Wide Implementation

- Convenient Web-based user interface supports multiple simultaneous users in a zero-client environment
- Enable global standardization across the enterprise
- Configure the system workflow to match your business processes
- Develop, organize, and implement a collaborative plan to address failures and prevent their recurrence
- Role-based administration, audit trails, and other security features



Web-based Dashboard interface available in enterprise-class edition provides high-level management oversight of system reliability metrics.

Flexible Interface Supports Any Corrective Action Process

- Flexible, intuitive interface tools support a broad range of standard corrective action methods or unique, user-defined processes
- Ensure product compliance using pre-configured, industry standard FRACAS solutions, or customize forms, tables, fields and filters with the unique information needed for your organizational processes
- Customize the workflow process with just the steps and stages you need, including user-based permissions, notifications, alerts, and management oversight where required
- Incorporate all customization using wizard-based design tools requiring no programming skills

Analyze System Performance

- Powerful analytics engine generates quality and reliability metrics, enabling you to measure system performance
- Output results directly to Relex FMEA to reflect real-world performance, or generate a life data set for use in Relex Weibull

Features

Process Types Supported

- 8D process
- Nonconformance
- CAPA
- Reliability analytics
- COPQ improvement
- RMAs
- Customer quality and complaints
- Safety incidents
- Field failures
- Service and support
- Internal quality
- ISO 9000 compliance
- Software defects
- Maintenance optimization
- Supplier quality
- Manufacturing defects
- Testing issues
- Warranty analytics
- Failure Review Board

Supported Calculations

- Failure Rate
- MTBF
- MTTR
- MTBCF
- MTBM
- Custom MTB calculations
- Availability
- Cost
- User-defined

Sample Analysis Outputs

- Pareto of top (n) issues per assembly
- Actual MTBF per assembly
- Trend studies
- “Lemon” identification
- Issues per customer
- Issues per supplier
- Maintenance metrics
- Top (n) warranty cost drivers
- Pareto of top (n) incident causes
- No fault found summary
- Total cost per problem
- Failure review board (FRB) agenda/minutes
- Corrective Action Time to Close

Corrective Action Process Support Management Tools

- Alert notifications
- Role-based security
- Workflow e-mails
- Data queries

Integration Options to Obtain Data from External Systems

- Manual
- Scheduled
- Dynamic (real-time)

Input and Output Data in a Variety of Formats

- Easily import from or export to commonly used formats like Microsoft Excel, Microsoft Access, XML, and plain text files
- Create reports in Microsoft Word, Microsoft Excel, Adobe PDF, and Rich Text Format
- User-definable, wizard-driven custom graphs and reports
- Dynamically link to other Relax modules, such as Reliability Prediction, FMEA, OpSim, and Weibull

Available Enterprise-Class Features

- Available zero-client, Web-based interface provides for data entry and analysis anywhere, anytime
- Access data and system metrics from a convenient, Web-based Dashboard interface for management overview
- Enterprise Edition supports a multi-user environment with role-based permissions, security, administrator control, and audit trail
- Database integration at enterprise level supports Microsoft SQL Server 2008, Oracle, Microsoft SQL Server Express, and Microsoft Jet Engine (Access compatible)
- Alert module can trigger e-mail notifications of key personnel
- User-specific login page provides workflow notifications, alerts, and announcements to enhance collaborative FRACAS efforts

For More Information

For more information on Relax FRACAS, please visit: www.relex.com/products/fracas.asp

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